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(FILE 'HOME' ENTERED AT 11:51:39 ON 21 MAR 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 11:52:17 ON 21 MAR 2003

L1 7558 S SOX  
L2 917 S L1 AND EXPRESS?  
L3 107 S L2 AND (TOTIPOTENT? OR PLURIPOTENT? OR POTENT?)  
L4 49 DUP REM L3 (58 DUPLICATES REMOVED)  
L5 2 S L2 AND SORT?  
L6 8 S L1 AND SORT?  
L7 8 DUP REM L6 (0 DUPLICATES REMOVED)  
L8 436 S L1 AND (SEPARAT? OR ISOLAT?)  
L9 222 S L8 AND EXPRESS?  
L10 6 S L8 AND (PLURIPOTENT?)  
L11 3 DUP REM L10 (3 DUPLICATES REMOVED)  
L12 545 S L1 AND REVIEW/DT  
L13 90 S L12 AND SOX/TI  
L14 79 DUP REM L13 (11 DUPLICATES REMOVED)  
L15 8 S SORT? (5A) PLURIPOTENT  
L16 6 DUP REM L15 (2 DUPLICATES REMOVED)  
L17 2 S L1 AND STEM AND SORT?

=> s l1 and stem

L18 67 L1 AND STEM

=> dup rem l18

PROCESSING COMPLETED FOR L18

L19 48 DUP REM L18 (19 DUPLICATES REMOVED)

=> d 1-48 ti

L19 ANSWER 1 OF 48 CAPLUS COPYRIGHT 2003 ACS  
TI Self-inactivating lentiviral vectors for gene therapy lacking TAR elements in hybrid long terminal repeats

L19 ANSWER 2 OF 48 CAPLUS COPYRIGHT 2003 ACS  
TI Human stress genes identified using DNA microarrays

L19 ANSWER 3 OF 48 MEDLINE  
TI Formation of neuroblasts in the embryonic central nervous system of Drosophila melanogaster is controlled by SoxNeuro.

L19 ANSWER 4 OF 48 MEDLINE DUPLICATE 1  
TI Identification of **Sox**-2 regulatory region which is under the control of Oct-3/4-**Sox**-2 complex.

L19 ANSWER 5 OF 48 MEDLINE DUPLICATE 2  
TI The **Sox**-domain containing gene Dichaete/fish-hook acts in concert with vnd and ind to regulate cell fate in the Drosophila neuroectoderm.

L19 ANSWER 6 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
TI Bmp, Fgf and Wnt signalling in programmed cell death and chondrogenesis during vertebrate limb development: The role of dickkopf-1.

L19 ANSWER 7 OF 48 CAPLUS COPYRIGHT 2003 ACS  
TI Terminal differentiation of myelin-forming oligodendrocytes depends on the transcription factor Sox10

L19 ANSWER 8 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Cic and bbx, members of a novel subfamily of the HMG-box superfamily, are predominantly expressed in the precursor of neurons.

L19 ANSWER 9 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Detection of variations in the DNA methylation profile of genes in the determining the risk of disease

L19 ANSWER 10 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Methods for inducing chondrogenesis and producing de novo cartilage in vitro using glycosaminoglycans

L19 ANSWER 11 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Yellow submarine locus involved in regulating hair pigmentation, vestibular function and fertility in mammals

L19 ANSWER 12 OF 48 MEDLINE  
 TI A crucial component of the endoderm formation pathway, CASANOVA, is encoded by a novel **sox**-related gene.

L19 ANSWER 13 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI The gene for the embryonic **stem** cell coactivator UTF1 carries a regulatory element which selectively interacts with a complex composed of Oct-3/4 and **Sox**-2. [Erratum to document cited in CA131:238589]

L19 ANSWER 14 OF 48 MEDLINE DUPLICATE 3  
 TI Identification of putative downstream genes of Oct-4 by suppression-subtractive hybridization.

L19 ANSWER 15 OF 48 MEDLINE  
 TI Expression of alpha- and beta-globin genes occurs within different nuclear domains in haemopoietic cells.

L19 ANSWER 16 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Line-specific differences in parameters of neural **stem** cells derived from embryonic **stem** (ES) cells.

L19 ANSWER 17 OF 48 MEDLINE  
 TI BMP-2 and BMP-9 promotes chondrogenic differentiation of human multipotential mesenchymal cells and overcomes the inhibitory effect of IL-1.

L19 ANSWER 18 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Time course of LPS-induced gene expression in a mouse model of genitourinary inflammation

L19 ANSWER 19 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Study of Sox3 modular regulation during mouse CNS development and in **stem** cells.

L19 ANSWER 20 OF 48 MEDLINE  
 TI A novel **sox** gene, 226D7, acts downstream of Nodal signaling to specify endoderm precursors in zebrafish.

L19 ANSWER 21 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Induction of differentiation of mouse embryonic **stem** (ES) cells in culture. I. Treatment with bone morphogenetic protein (BMP)-2 and BMP-4 induces chondrocyte differentiation

L19 ANSWER 22 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI **Sox** gene expression as cell lineage markers and their use in induction of neurogenesis

L19 ANSWER 23 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Methods for identifying a mutation in a gene of interest without a phenotypic guide using ES cells

L19 ANSWER 24 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Derivation of multipotential neural precursors from embryonic **stem** cells in vitro.

L19 ANSWER 25 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Global analysis of gene expression patterns during differentiation of embryonic **stem** cells.

L19 ANSWER 26 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI DNA microarray analyses of genes regulated during the differentiation of embryonic **stem** cells

L19 ANSWER 27 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI The Sox1 gene as a marker for neuronal **stem** cells and its use in induction of neurogenesis

L19 ANSWER 28 OF 48 MEDLINE DUPLICATE 4  
 TI The gene for the embryonic **stem** cell coactivator UTF1 carries a regulatory element which selectively interacts with a complex composed of Oct-3/4 and **Sox-2**.

L19 ANSWER 29 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI FCC flue gas emissions under oxygen-enriched conditions

L19 ANSWER 30 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Regulatory sequences of the mouse **Sox-2** gene direct transgene expression to embryonic telencephalic neural **stem** cells.

L19 ANSWER 31 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 TI Involvement of the SOX10 gene in the ontogeny of the glial phase in the central nervous system.

L19 ANSWER 32 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Solid fuel production and energy conversion for pollution control

L19 ANSWER 33 OF 48 MEDLINE DUPLICATE 5  
 TI New POU dimer configuration mediates antagonistic control of an osteopontin preimplantation enhancer by Oct-4 and **Sox-2**.

L19 ANSWER 34 OF 48 MEDLINE DUPLICATE 6  
 TI Wilms' tumor suppressor gene (WT1) as a target gene of SRY function in a mouse ES cell line transfected with SRY.

L19 ANSWER 35 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 7  
 TI Aqueous catalytic disproportionation and oxidation of nitric oxide.

L19 ANSWER 36 OF 48 MEDLINE  
 TI **Sox-4** facilitates thymocyte differentiation.

L19 ANSWER 37 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Application of three forest-soil-atmosphere models to the Speuld experimental forest

L19 ANSWER 38 OF 48 MEDLINE  
 TI Defects in cardiac outflow tract formation and pro-B-lymphocyte expansion in mice lacking **Sox-4**.

L19 ANSWER 39 OF 48 MEDLINE DUPLICATE 8  
 TI Developmental-specific activity of the FGF-4 enhancer requires the synergistic action of Sox2 and Oct-3.

L19 ANSWER 40 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 9  
 TI THE **STEM**-II REGIONAL SCALE ACID DEPOSITION AND PHOTOCHEMICAL OXIDANT MODEL IV. THE IMPACT OF EMISSION REDUCTIONS ON MESOSCALE ACID DEPOSITION IN THE LOWER OHIO RIVER VALLEY.

L19 ANSWER 41 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 10  
 TI SENSITIVITY OF ACID PRODUCTION-DEPOSITION TO EMISSION REDUCTIONS.

L19 ANSWER 42 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 11  
 TI THE **STEM**-II ACID DEPOSITION AND PHOTOCHEMICAL OXIDANT MODEL II. A DIAGNOSTIC ANALYSIS OF MESOSCALE ACID DEPOSITION.

L19 ANSWER 43 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 12  
 TI DIAGNOSTIC EVALUATION OF THE TRANSPORT AND GAS CHEMISTRY COMPONENTS OF THE **STEM**-II MODEL.

L19 ANSWER 44 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Acid deposition in central Japan

L19 ANSWER 45 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 13  
 TI EVALUATION OF THE EFFECT OF EMISSION REDUCTIONS ON POLLUTANT LEVELS IN CENTRAL JAPAN.

L19 ANSWER 46 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI **STEM** model for the regional transport of photochemical oxidants and their precursors

L19 ANSWER 47 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Application of the Sulfur Transport Eulerian Model (**STEM**) to a sure data set

L19 ANSWER 48 OF 48 CAPLUS COPYRIGHT 2003 ACS  
 TI Humidity-sensing element

=> d 24, 27 bib ab

L19 ANSWER 24 OF 48 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.  
 AN 2000:373103 BIOSIS  
 DN PREV200000373103  
 TI Derivation of multipotential neural precursors from embryonic **stem** cells in vitro.  
 AU Li, M. (1); Smith, A. (1)  
 CS (1) CGR, University of Edinburgh, Edinburgh UK  
 SO European Journal of Neuroscience, (2000) Vol. 12, No. Supplement 11, pp. 324. print.  
 Meeting Info.: Meeting of the Federation of European Neuroscience Societies Brighton, UK June 24-28, 2000  
 ISSN: 0953-816X.  
 DT Conference  
 LA English  
 SL English

L19 ANSWER 27 OF 48 CAPLUS COPYRIGHT 2003 ACS

AN 1999:42606 CAPLUS

DN 130:108211

TI The Sox1 gene as a marker for neuronal **stem** cells and its use in induction of neurogenesis

IN Lovell-Badge, Robin; Pevny, Laryssa H.; Smith, Austin

PA Medical Research Council, UK

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9900516	A2	19990107	WO 1998-GB1862	19980625
	WO 9900516	A3	19990318		
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9882238	A1	19990119	AU 1998-82238	19980625
	AU 737409	B2	20010816		
	EP 990046	A2	20000405	EP 1998-932288	19980625
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002508666	T2	20020319	JP 1999-505379	19980625
PRAI	GB 1997-13469	A	19970625		
	WO 1998-GB1862	W	19980625		

AB Expression of the Sox1 gene is shown to play a role in the formation of the neural plate. The gene product can therefore be used as a marker in the selection of neuronal **stem** cell and the gene can be used to induce pluripotent cells to become neural cells. The gene is expressed in embryonic neural tissues before the cells become committed to neuronal development. Sox1 is down-regulated in committed cells.

=> d 36 bib ab

L19 ANSWER 36 OF 48 MEDLINE

AN 97317610 MEDLINE

DN 97317610 PubMed ID: 9174623

TI **Sox**-4 facilitates thymocyte differentiation.

AU Schilham M W; Moerer P; Cumano A; Clevers H C

CS Department of Immunology, University Hospital, Utrecht, The Netherlands.. msch@kindjc.medfac.leidenuniv.nl

SO EUROPEAN JOURNAL OF IMMUNOLOGY, (1997 May) 27 (5) 1292-5.

Journal code: 1273201. ISSN: 0014-2980.

CY GERMANY: Germany, Federal Republic of

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199706

ED Entered STN: 19970716

Last Updated on STN: 19990129

Entered Medline: 19970630

AB The mouse Sry-like transcription factor **Sox**-4 is expressed in thymus, bone marrow, and gonads of adult mice. **Sox**-4-deficient mice die at embryonic day E14 due to cardiac malformation. In transfer

experiments to irradiated recipients, B cell development was shown to be severely impaired in **Sox-4**-deficient progenitor cells. However, no drastic effects on T lymphocyte development were noted, despite the high level expression of the **Sox-4** gene in the thymus of normal mice. Here, we report a detailed analysis of T cell development from **Sox-4**-deficient progenitors. Explanted fetal thymic organ cultures (FTOC) of **Sox-4**-deficient thymi yielded 10-50-fold fewer CD4 CD8 double-positive and single-positive cells than FTOC of littermates. This effect was T cell-autonomous, since similar observations were made when FTOC were performed by culturing of **Sox-4**-deficient progenitors in wild-type thymus lobes. When **Sox-4**-deficient fetal liver cells were injected together with normal cells intrathymically, they did not compete efficiently for reconstitution. It is concluded that **Sox-4** facilitates thymocyte development.

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L14 ANSWER 4 OF 79 CAPLUS COPYRIGHT 2003 ACS  
 AN 2002:639150 CAPLUS  
 DN 138:67184  
 TI Twenty pairs of **Sox**: extent, homology, and nomenclature of the  
 mouse and human **Sox** transcription factor gene families  
 AU Schepers, Goslik E.; Teasdale, Rohan D.; Koopman, Peter  
 CS Inst. for Molecular Bioscience and ARC Spec. Res. Centr for Functional and  
 Applied Genomics, Univ. of Queensland, Brisbane, 4072, Australia  
 SO Developmental Cell (2002), 3(2), 167-170  
 CODEN: DCEEBE; ISSN: 1534-5807  
 PB Cell Press  
 DT Journal; **General Review**  
 LA English  
 AB A review. The anal. of all the published **Sox** sequences and  
 recent releases of the human and mouse genome sequence from the relevant  
 public sequencing consortia and from Celera Genomics revealed that the  
 mouse and human genomes contain 20 orthologous pairs of **Sox**  
 genes. The paired **Sox** genes have identical genomic  
 organization, with the exception of Sox6 and Sox13, which varied between  
 mouse and human by the loss or gain of an intron in the untranslated  
 region. The anal. suggests that no further nomenclature changes or addns.  
 will be required for the mouse and the human **Sox** family.  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 28 OF 79 MEDLINE DUPLICATE 9  
 AN 97373056 MEDLINE  
 DN 97373056 PubMed ID: 9229109  
 TI **Sox** genes find their feet.  
 AU Pevny L H; Lovell-Badge R  
 CS Laboratory of Developmental Genetics, MRC National Institute for Medical  
 Research, London, UK.. l-pevny@nimr.mrc.ac.uk  
 SO CURRENT OPINION IN GENETICS AND DEVELOPMENT, (1997 Jun) 7 (3) 338-44.  
 Ref: 70  
 Journal code: 9111375. ISSN: 0959-437X.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
**General Review; (REVIEW)**  
 (REVIEW, TUTORIAL)  
 LA English  
 FS Priority Journals  
 EM 199708  
 ED Entered STN: 19970908  
 Last Updated on STN: 19970908  
 Entered Medline: 19970827  
 AB The identification of the mammalian testis-determining factor, SRY, led to  
 the description of a new class of genes encoding transcription factors,  
 the **SOX** gene family. **SOX** proteins display properties  
 of both classical transcription factors and architectural components of  
 chromatin. The dynamic and diverse patterns of expression of **SOX**  
 genes and analysis of mutations in humans, mice and Drosophila suggest  
 that **SOX** factors play key roles in decisions of cell fate during  
 diverse developmental processes.

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